





How to change track rod end on Mazda 3 BK – replacement guide



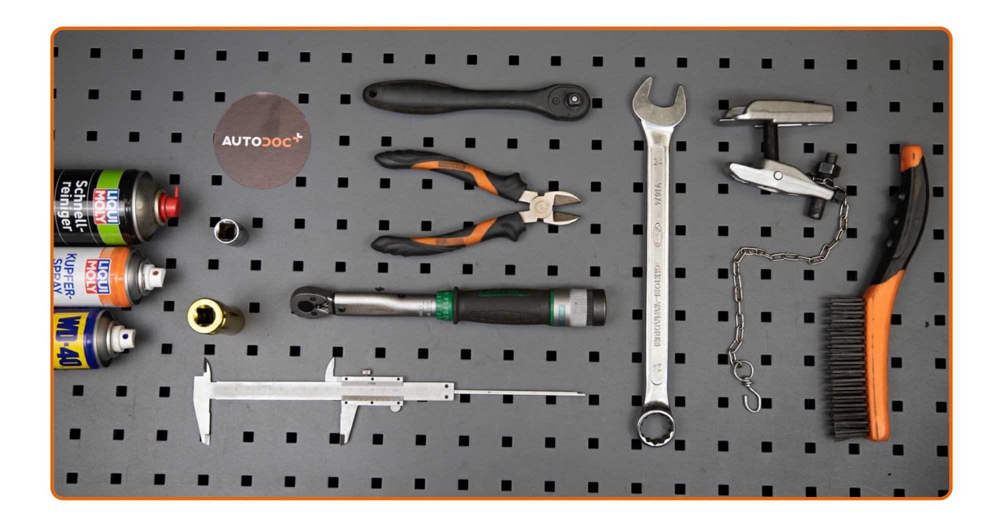
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MAZDA 3 (BK) 1.6 (BK14), MAZDA 3 Saloon (BK) 1.6

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – MAZDA 3 BK. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #24
- Drive socket # 14
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Vernier caliper
- Ball joint puller
- Nippers
- Wheel chock

Replacement: track rod end – Mazda 3 BK. Tip from AUTODOC:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – Mazda 3 BK – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #19.

3



Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.

AUTODOC recommends:

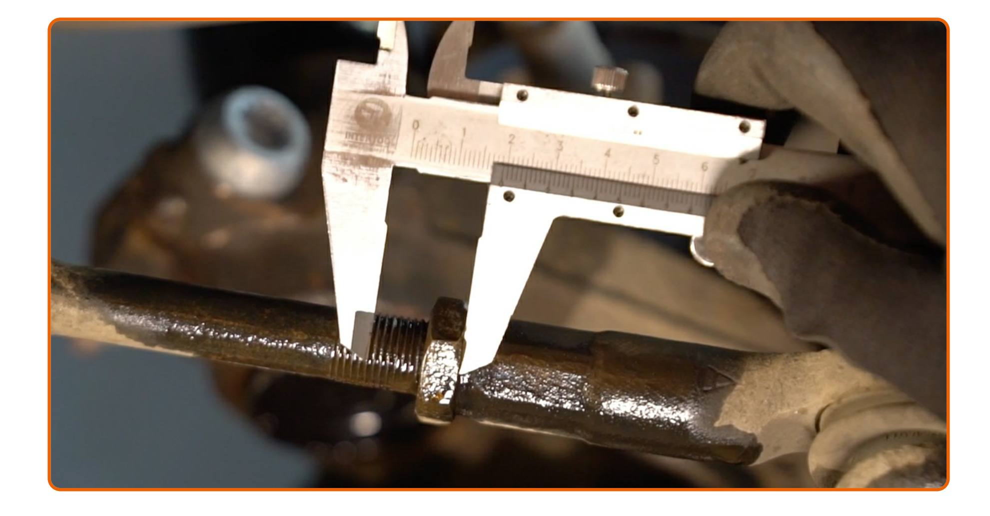
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mazda 3 BK

5



Remove the wheel.

6



When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

7

Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.

8



Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #24.

9



Remove the cotter pin. Use nippers.

10

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

11



Unscrew the end fastening nut to the steering knuckle. Use a drive socket #14. Use a ratchet wrench.

12



Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

13



Screw the end out of the tie rod.

14



Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

15



Screw on a new tie rod end.

Replacement: track rod end – Mazda 3 BK. Tip from AUTODOC:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements

16

Connect the tie rod end to the steering knuckle.

17



Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #14. Use a torque wrench. Tighten it to 65 nm torque.

18

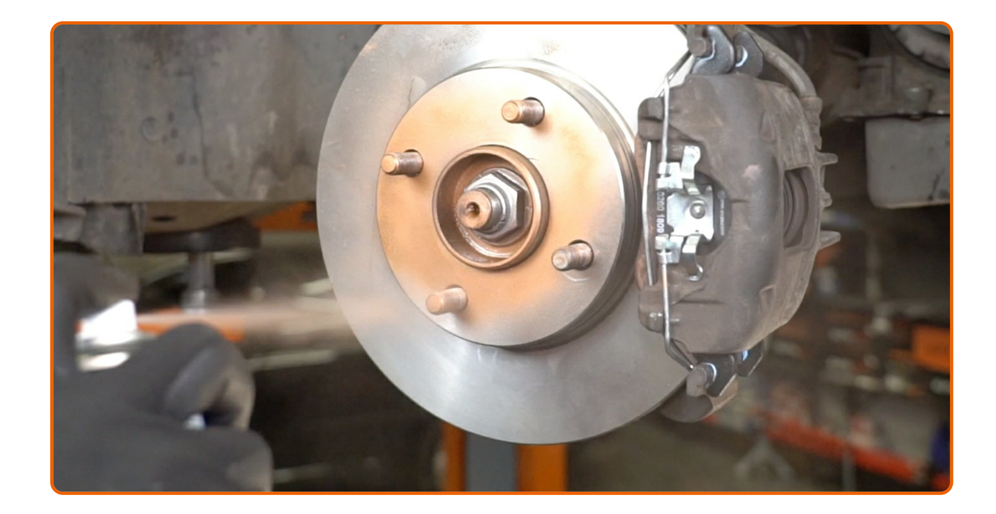


Tighten the tie rod end locknut. Use a combination spanner #24. Use a torque wrench. Tighten it to 60 nm torque.

19

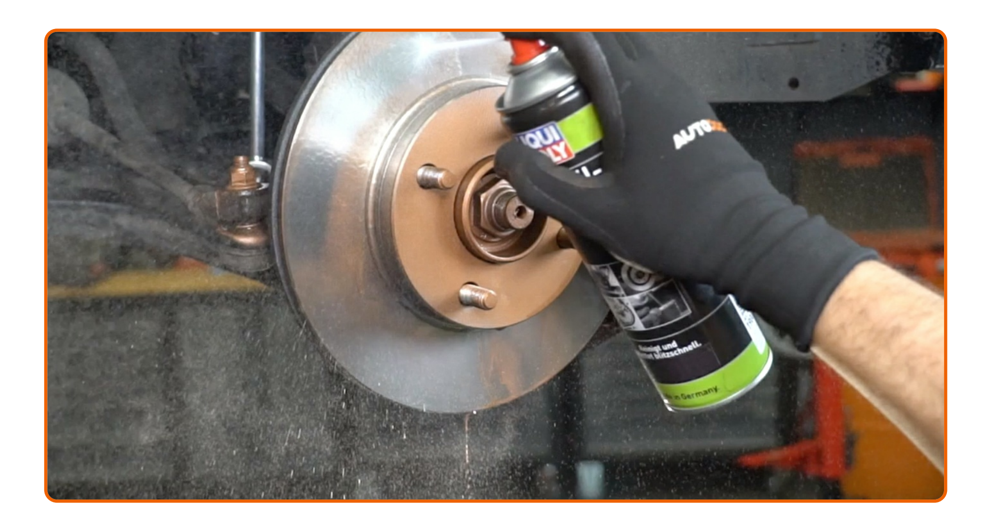
Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

20



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

21



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: track rod end – Mazda 3 BK. After applying the spray, wait a few minutes.

22



Install the wheel.

AUTODOC recommends:

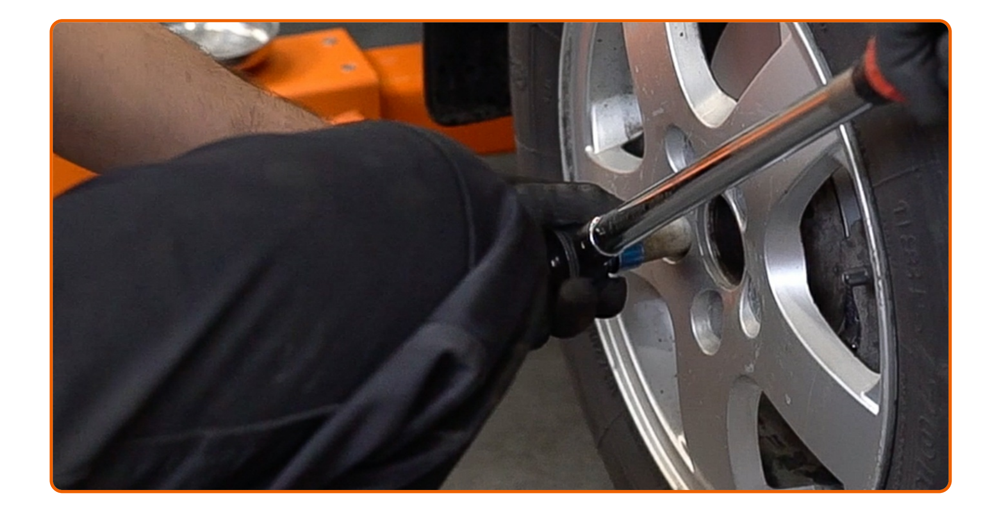
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mazda 3 BK

23



Screw in the wheel bolts. Use wheel impact socket #19.

24



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 nm torque.



Replacement: track rod end – Mazda 3 BK. Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

25



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

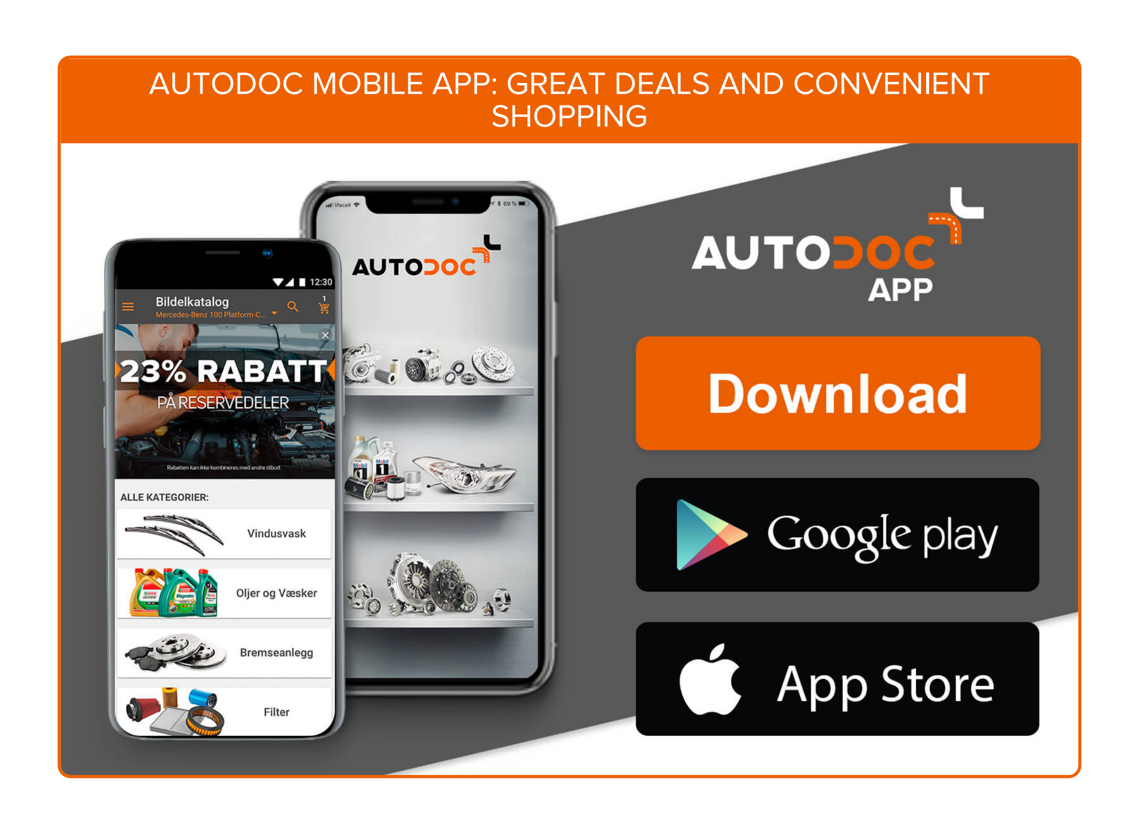
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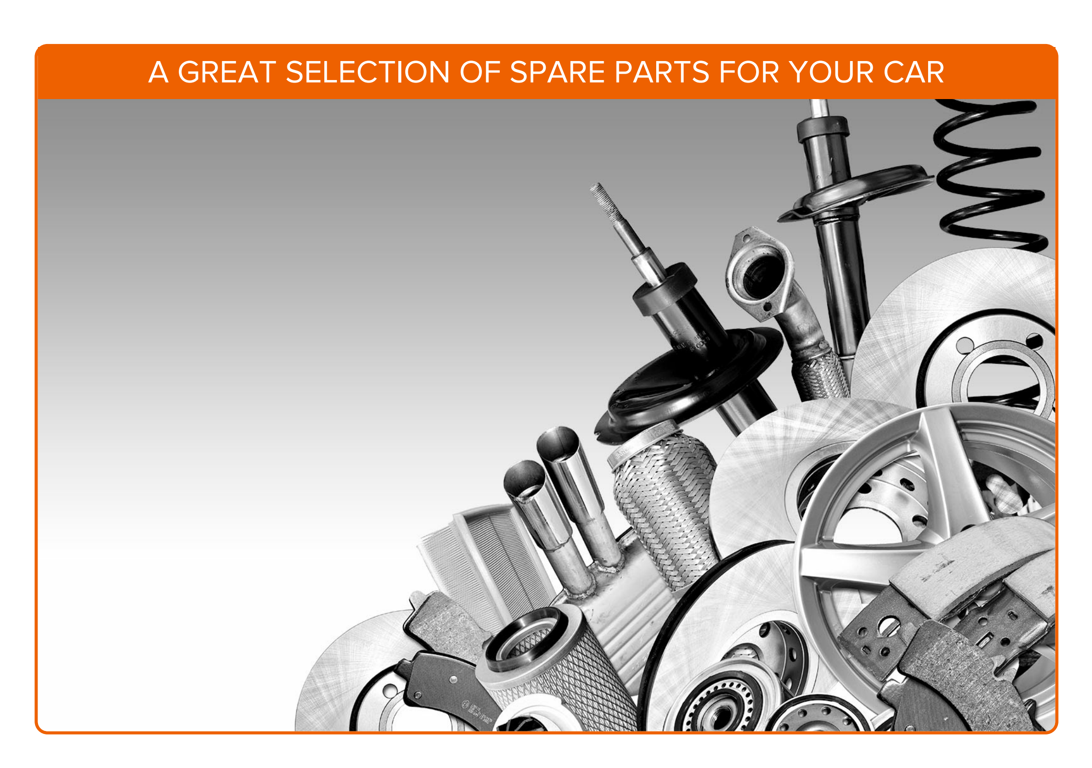
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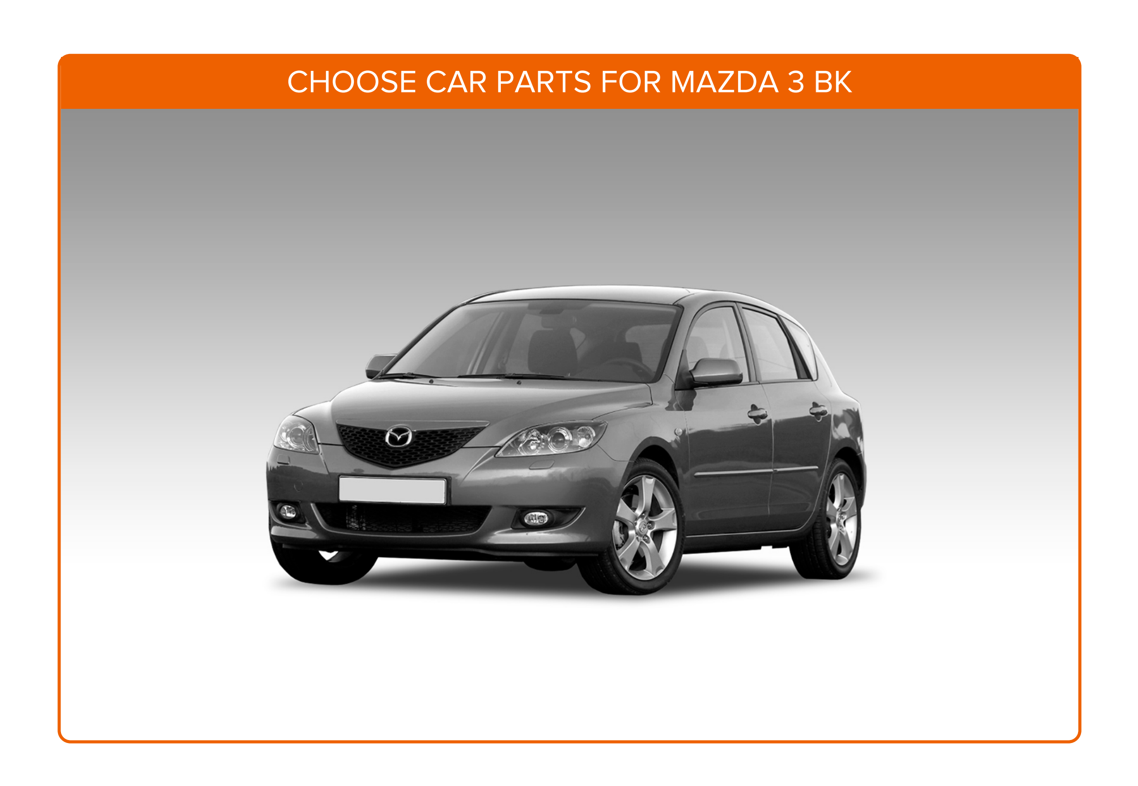


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TRACK ROD END: A WIDE SELECTION




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